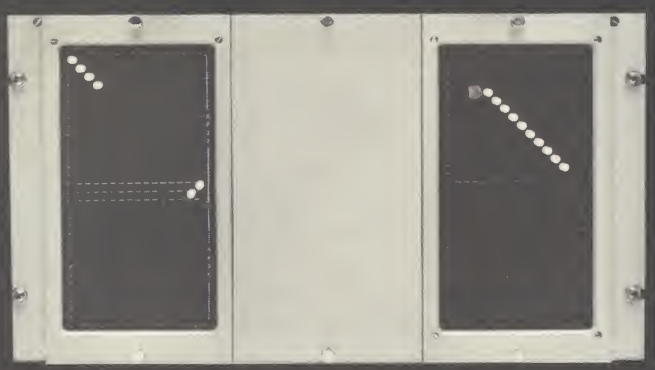
Packard

Model 126 Interconnection Matrices

Bulletin 1090



General Description

The Packard Model 126 interconnection matrices are elements of the Packard multiparameter analyzer system. They provide a rapid, efficient method of associating and connecting various elements in a multiparameter analyzer scheme.

They may be used to connect:

Primary converters and the Packard Models 32 and 33 Buffer Memories

Primary converters and one of the Packard Model 25 or 45 Computer-Memories.

The Packard Models 122, 125, 127 Digital Gate System and the Packard Model 25, 45 Computer-Memory.

The Packard Model 126 permits wire by wire connections between units and makes it possible to change the interconnecting wiring for subsequent configurations. Their use permits a very flexible association of two units due to:

a: the speed with which the interconnections can be made;

b: the visible portrayal of the completed system connections;

c: the possibility of selecting the significant bits relative to each of the units.

Several matrix models are offered in modular form and by association it is possible to synthesize a larger composite. Either the number of inputs, outputs, or inputs and outputs can be increased to the number required in the experimental system.

The basic matrices are of three types:

Packard Model 126A: a general purpose matrix; 32 inputs x 16 outputs.

Packard Model 126B: a special purpose matrix; 32 inputs x 16 outputs, designed specifically for use with the Packard Model 122, 125, 127 Digital Gate System.

Packard Model 126C: a general purpose matrix: 16 inputs x 16 outputs.

Principle of Operation

A row is associated with each one of the inputs of the matrix, and a column is associated with each one of the outputs. The electrical continuity between any row and column is made by means of a shorting plug placed into one of the holes of the front panel corresponding to the selected intersection.

Specifications

Packard Model 126A

2 inputs each having 15 bits of information + 1 pilot bit

1 ouput of 15 bits of information + 1 pilot bit

Packard Model 126B

1 input of 18 bits of information (3 of them switching bits) and 1 input of 14 bits of information

1 output of 16 bits of information

Packard Model 126C

1 input of 15 bits of information + 1 pilot bit

1 output of 15 bits of information + 1 pilot bit

Physical Characteristics

32 x 16 Matrices:

adaptable in groups of three to fit in a 19″ wide standard rack in a support frame 6U type K-20

length 5.7″

height 10.5″

depth 1.5″

16 x 16 Matrix:

adaptable in groups of three to fit a 19″ wide standard rack in a support frame 4 U type K-22

length 5.7″

height 7.0″

depth 1.5″

Associated Equipment

short circuit contact plug K-19

AMP-Jaeger interconnection cable, type K-15

AMP-AMP interconnection cable, type K-16

inter-stencil connecting cable

long: type K-13L

short: type K-13C

stencil frame 32 x 16 type K-20

stencil frame 16 x 16 type K-22

screening plate or false stencil panel 32 x 16 or 16 x 16

Packard

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